

# Memorandum

MIAMI-DADE  
COUNTY

**Date:** October 19, 2004

**To:** Honorable Chairperson Barbara Carey-Shuler, Ed. D.  
and Members, Board of County Commissioners

Agenda Item No. 7(D)(1)(B)

**From:** George W. Burgess  
County Manager

**Subject:** Resolution Ratifying the County Manager's Action of Applying for a Voluntary Diesel Retrofit Grant from the United States Environmental Protection Agency

## RECOMMENDATION

It is recommended that the Board adopt the attached resolution, which ratifies the County Manager's action of applying for, and authorizes the acceptance and execution of a grant with the U.S. Environmental Protection Agency (EPA). The "Voluntary Diesel Retrofit Program -Technology Demonstration Assistance Agreements to Benefit Sensitive Populations" grant which provides approximately \$150,000 in funding to support the "Clean Diesel in South Florida" project. The proposed term of the grant is from November 2004 through May 2006.

It was necessary to submit the application to EPA prior to formal Board approval due to the short turn around time imposed by the funding application deadline of July 2, 2004.

## BACKGROUND

Funds are intended for use in the "Clean Diesel in South Florida Project". The Department of Environmental Resources Management (DERM), with the support of Miami-Dade County's General Services Administration (GSA), will provide ultra low sulfur diesel (ULSD) fuel at selected County fueling stations as well as purchase and install EPA verified emissions-reducing retrofits on several buses serving sensitive populations. The County's Elderly Services, Head Start, and Leisure Access Services programs have committed to providing buses identified for retrofit. The emissions reductions achieved by these measures will improve ambient air quality and reduce the acute exposure of sensitive populations to diesel exhaust, which contains tiny particles known as fine particulate matter. Diesel exhaust also contains ozone-forming nitrogen oxides and toxic air pollutants. Exposure to these pollutants causes lung damage and aggravates existing respiratory disease such as asthma. Diesel exhaust is also thought to be a likely human carcinogen. Sensitive populations such as the elderly, children, and the chronically ill are more susceptible to the effects of diesel emissions.

Although matching funds are not a requirement of the grant, DERM, GSA, and the Florida Department of Environmental Protection will contribute the in-kind personnel time required for the implementation of the proposed project.

  
Assistant County Manager




# MEMORANDUM

(Revised)

TO: Hon. Chairperson Barbara Carey-Shuler, Ed.D.  
and Members, Board of County Commissioners

DATE: October 19, 2004

FROM:   
Robert A. Ginsburg  
County Attorney

SUBJECT: Agenda Item No. 7(D)(1)(B)

Please note any items checked.

- ☐ "4-Day Rule" ("3-Day Rule" for committees) applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Bid waiver requiring County Manager's written recommendation
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ Housekeeping item (no policy decision required)
- ☐ No committee review

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 7(D)(1)(B)  
10-19-04

RESOLUTION NO. \_\_\_\_\_

RESOLUTION RATIFYING THE COUNTY MANAGER'S ACTION OF APPLYING FOR A VOLUNTARY DIESEL RETROFIT GRANT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (EPA), OFFICE OF TRANSPORTATION & AIR QUALITY; AND AUTHORIZING THE COUNTY MANAGER TO RECEIVE AND EXPEND FUNDS AND EXECUTE SUCH CONTRACTS AND AMENDMENTS AS REQUIRED

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board ratifies the County Manager's action of applying for funding from the United States Department of Environmental Protection Agency (EPA), Office of Transportation & Air Quality under the Voluntary Diesel Retrofit Program-Technology Demonstration Assistance Agreements to Benefit Sensitive Populations, in the approximate amount of \$150,000; in substantially the form attached hereto and made a part hereof; and authorizes the County Manager to execute same for and on behalf of Miami-Dade County, Florida, to receive and expend grant funds; execute such contracts and agreements as required by grant guidelines or to further the purposes described in the funding request, following approval by the County Attorney's Office; and to exercise any necessary amendments for time extension or for additional funding provided by the EPA.

The foregoing resolution was offered by Commissioner \_\_\_\_\_, who  
moved its adoption. The motion was seconded by Commissioner  
and upon being put to a vote, the vote was as follows:

Dr. Barbara Carey-Shuler, Chairperson	
Katy Sorenson, Vice-Chairperson	
Bruno A. Barreiro	Jose "Pepe" Diaz
Betty T. Ferguson	Sally A. Heyman
Joe A. Martinez	Jimmy L. Morales
Dennis C. Moss	Dorrian D. Rolle
Natacha Seijas	Rebeca Sosa
Sen. Javier D. Souto	


The Chairperson thereupon declared the resolution duly passed and adopted this  
19<sup>th</sup> day of October, 2004. This Resolution and contract, if not vetoed, shall become  
effective in accordance with Resolution No. R-377-04.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency.



Peter S. Tell

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MIAMI-DADE COUNTY, FLORIDA



ENVIRONMENTAL RESOURCES MANAGEMENT  
AIR QUALITY MANAGEMENT DIVISION  
33 S W 2nd AVENUE  
SUITE 900  
MIAMI, FLORIDA 33130-1540  
TELEPHONE: (305) 372-6925  
FAX: (305) 372-6954

July 1, 2004

Mr. Steve Albrink  
US EPA – OAR  
Office of Transportation and Air Quality  
1310 L Street, NW (Room 304A)  
Washington, DC 20005-4113

**Subject: Voluntary Diesel Retrofit Program Technology Demonstration  
Assistance Agreements to Benefit Sensitive Populations**

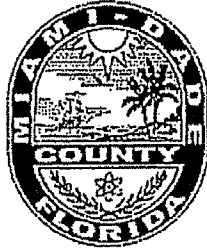
Dear Mr. Albrink:

Miami-Dade County is pleased to submit an application for the subject funding opportunity. Please call me at 305-372-6925 should you have any questions regarding the enclosed.

Sincerely,

A handwritten signature in black ink, appearing to read 'H. Patrick Wong'.

for H. Patrick Wong, Chief  
Air Quality Management Division



**"Clean Diesel in South Florida"  
Voluntary Diesel Retrofit Program Technology  
Demonstration Assistance Agreements To Benefit  
Sensitive Populations**

**Presented to:  
United States Environmental Protection Agency  
Attn: Steve Albrink  
OAR/Office of Transportation and Air Quality  
1310 L Street, NW (Room 304A)  
Washington, DC 20005-4113**

**Submitted by:  
Miami-Dade County  
Department of Environmental Resources Management (DERM)  
Division of Air Quality Management  
33 SW 2<sup>nd</sup> Avenue, Suite 900  
Miami, Florida 33130-1540**

**July 1, 2004**

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Miami-Dade County Department of Human Services

Miami-Dade County General Services Administration Department

State of Florida Department of Environmental Protection

# APPLICATION FOR FEDERAL ASSISTANCE

1 TYPE OF SUBMISSION: Application		2 DATE SUBMITTED July 1, 2004	Applicant Identifier N/A	
<input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		3 DATE RECEIVED BY STATE	State Application Identifier N/A	
<input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		4 DATE RECEIVED BY FEDERAL AGENCY	Federal Identifier N/A	
5. APPLICANT INFORMATION				
Legal Name:		Organizational Unit:		
Miami-Dade County		Department: Department of Environmental Resources Management		
Organizational DUNS: 13-671-4644		Division: Air Quality Management		
Address: 33 SW 2 <sup>nd</sup> Avenue, Suite 900		Name and telephone number of person to be contacted on matters involving this application (give area code)		
Street:		Prefix:	First Name:	
City: Miami		Mr.	John	
County: Dade		Middle Name:		
State: Florida		Last Name: Renfrow		
Zip Code: 33130-1540		Suffix: P.E.		
County: United States		Email: Renfrj@miamidade.gov		
6 EMPLOYER IDENTIFICATION NUMBER (EIN):  59-600573		Phone Number (give area code) 305-372-6789		Fax Number (give area code) 305-372-6759
8 TYPE OF APPLICATION: X New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision If Revision, enter appropriate letter(s) in box(es) (See back of form for description of letters)  <input type="checkbox"/> <input type="checkbox"/> Other (specify)		7 TYPE OF APPLICANT: (See back of form for Application Types)  B County  Other (specify)		
10 CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:  66-034  TITLE (Name of Program): Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreements To Benefit Sensitive Populations		9 NAME OF FEDERAL AGENCY: United States Environmental Protection Agency		
12 AREAS AFFECTED BY PROJECT (Cities, Counties, States, etc): Miami-Dade County (including municipalities)		11 DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:  The "Clean Diesel in South Florida Project," will provide for the installation and use of ultra low sulfur diesel (ULSD) fuel at County fueling stations and for the purchase and installation of EPA verified emissions reducing retrofits on several buses for the benefit of sensitive population groups		
13. PROPOSED PROJECT Start Date: 11/01/2004 Ending Date: 5/31/2006		14. CONGRESSIONAL DISTRICTS OF: a Applicant 18 b Project 17, 18, 20, 21 and 25		
15 ESTIMATED FUNDING:		16 IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?		
a. Federal	\$150,000	a Yes <input type="checkbox"/> THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON		
b. Applicant	\$ 46,254	DATE:		
c. State	\$	b No <input checked="" type="checkbox"/> PROGRAM IS NOT COVERED BY E.O. 12372		
d. Local	\$	<input type="checkbox"/> OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW		
e. Other	\$			
f. Program Income	\$			
g. TOTAL	\$196,254			
18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.				
a. Authorized Representative				
Prefix Mr.	First Name George		Middle Name M.	
Last Name Burgess			Suffix	
b. Title County Manager			c. Telephone Number (give area code) 305-375-5311	
d. Signature of Authorized Representative			e. Date Signed	



## **KEY CONTACTS**

### **AGENCY/ORGANIZATION DIRECTOR**

(Individual who is authorized to sign the assistance agreement application and award acceptance.)

**NAME:** George Burgess  
**TITLE:** County Manager, Miami-Dade County, Florida  
**ADDRESS:** Steven P. Clark Center, Suite 2910  
111 N.W. 1<sup>st</sup> Street  
Miami, Florida 33128-2241  
**TELEPHONE:** (305) 375-5311 **EMAIL** gburgess@miamidade.gov

### **PROGRAM/PROJECT DIRECTOR**

(Technical program director or person responsible for the project as a contact person in Block #5 of the application.)

**NAME:** John W. Renfrow, P.E.  
**TITLE:** Director, Department of Environmental Resources Management  
**ADDRESS:** 33 SW 2<sup>nd</sup> Avenue, Suite PH-2  
Miami, Florida 33130-1540  
**TELEPHONE:** (305) 375-6789 **EMAIL** renfrj@miamidade.gov

### **FINANCE DIRECTOR**

(Individual responsible for maintaining the accounting and financial management system supporting expenditures, preparing the financial reports, etc.)

**NAME:** Rachel Baum  
**TITLE:** Director, Miami-Dade County Finance Department  
**ADDRESS:** Steven P. Clark Center, Suite 2550  
111 NW 1<sup>st</sup> Street  
Miami, Florida 33128-2241  
**TELEPHONE:** (305) 375-5111 **EMAIL** rbaum@miamidade.gov

**“Clean Diesel in South Florida”**  
for the EPA Voluntary Diesel Retrofit Program Technology Demonstration Assistance  
Agreements to Benefit Sensitive Populations  
**Narrative Work Plan**

**A. Project Title:** “Clean Diesel in South Florida”

**B. Applicant Information:**

Miami-Dade County Department of Environmental Resources Management (DERM)  
33 SW 2<sup>nd</sup> Avenue, Suite 900  
Miami, Florida 33130-1540  
Contact Person: John W. Renfrow, P.E., Director  
Phone Number: (305) 372-6789  
Fax: (305) 372-6759  
E-mail address: [renfri@miamidade.gov](mailto:renfri@miamidade.gov)

**C. Funding Requested:** \$150,000

**D. Total Project Cost:** \$196,256 including applicant’s in-kind and financial contributions.

Applicant’s local cost share is \$46,256 or 23.6% of the grant request. The local cost share will include project staff services provided for ULSD fuel procurement, technical assistance, and data collection by Miami-Dade’s General Services Administration (GSA) staff; project management, technical support, and reporting by Miami-Dade’s Department of Environmental Resources Management (DERM) staff; and the Mobile 6 emissions analysis performed by the State of Florida Department of Environmental Protection (FDEP).

**E. Project Period:** November 1, 2004 through May 31, 2006

**F. Narrative Work Plan:**

*Proposal Summary*

This project is a continuing initiative by Miami-Dade County’s Department of Environmental Resources Management (DERM), to promote the prevention and control of air pollution and the implementation of National Ambient Air Quality Standards. “Clean Diesel in South Florida,” is designed to impact sensitive populations. DERM, with the support of Miami-Dade County’s General Services Administration (GSA), will provide ultra low sulfur diesel (ULSD) fuel at selected County fueling stations as well as purchase and install emissions-reducing retrofits on several community buses serving sensitive populations. The County’s Elderly Services, Head Start, and Leisure Access Services programs have committed to providing buses for retrofit. The emissions reductions achieved by these measures will improve ambient air quality and reduce the exposure of sensitive populations to diesel exhaust. After analyzing fueling activity at selected fueling sites, it is estimated that 500 heavy-duty diesel vehicles used by County departments will take part in this 19-month demonstration project by fueling at locations supplied with ULSD. In addition, approximately ten (10) community buses will be retrofitted with the appropriate technology to further reduce emissions. While Miami-Dade currently meets National Ambient Air Quality Standards (NAAQS) for ozone and fine particulates, the targeted sensitive

population served by this proposal has limited opportunities to benefit from much needed exposure reductions.

*The Applicant: Miami-Dade County*

As the largest metropolitan area in the State of Florida, Miami-Dade County is often referred to as the "Gateway to Latin America and the Caribbean." Our community is located along the southeast tip of the Florida peninsula. Nestled between land and sea, Miami-Dade County is blessed with a wealth of unique natural resources. Biscayne Bay, our "Central Park," is a playground for boaters, water skiers, windsurfers, fishermen, and at the same time, is home to the endangered manatee and an important estuary for many marine species. To the west, the Everglades and Everglades National Park, one of the nation's most treasured and endangered parks, is a vast river of grass dotted with hardwood hammocks, pinelands, cypress strands, and mangrove islands which support an amazing variety of plant and animal life. Collectively, these natural resources, coupled with our tropical climate, make Miami-Dade County a great place to live.

*Miami-Dade County Department of Environmental Resources Management (DERM), Project Manager*

Acknowledging the need to establish a comprehensive environmental program for Miami-Dade County, the Board of County Commissioners created the Department of Environmental Resources Management (DERM) in 1974 to regulate and manage activities affecting our fragile environment. From a meager beginning with a handful of employees, DERM is now considered one of the leading local environmental regulatory and natural resource management programs in the United States.

Not surprisingly, as Miami-Dade County's population increased, so did the stresses and impacts upon our natural resources. Although the county was re-designated attainment for ozone in 1995, the ever-increasing population has resulted in a steady increase in emissions from mobile sources, which are the greatest contributor to local air pollution. In fact, mobile sources account for more than 70% of smog-forming pollution.

DERM, through its various programs, is committed to ensuring the air its residents breathe remains clean and healthy. In addition to traditional regulatory programs, DERM proactively seeks additional funding and partners with industry and the community to prevent pollution and contribute to a sustainable South Florida. The department has vast experience in administering both programmatic and voluntary grants. Examples of successfully implemented projects aimed at reducing emissions include the Climate Wise Program, Energy Star Program, Urban CO<sub>2</sub> Reduction Program, and competitive 103 Grant Air Toxics supplemental projects. DERM will provide project management, fiscal management, training, technical assistance, and coordination throughout the term of this project.

*Miami-Dade County General Services Administration (GSA)*

The General Services Administration supports departmental operations of Miami-Dade County's departments by managing buildings to administering health insurance, and through risk management, fleet management, construction management and renovation services, materials management, facilities, utilities management, ADA coordination and administrative services. GSA also provides services to the public. Its divisions coordinate the purchase and sale of real estate for Miami Dade County, the disposal of surplus property, fueling services and the management of several parking facilities in Downtown Miami.

GSA will assist in identifying the County fueling stations for ULSD distribution and will provide technical assistance and support for the purchase and installation of emissions-reducing retrofits. GSA will also provide fuel usage data for tracking and reporting purposes.

*Miami-Dade County Department of Human Services (DHS)*

The Department of Human Services (DHS) is Miami-Dade County's largest provider of comprehensive social and human services covering children to elderly, disabled to veterans, welfare clients to farm workers, delinquency prevention to substance abuse and emergency assistance to homeless outreach. DHS has over 65 locations countywide.

As part of DHS Elderly Services Program, the Department provides transportation of the elderly population to Community Action Agency Adult Care Centers and Meal Sites. DHS makes approximately 35,000 trips a year and transports 360 elders per day. In order to be eligible for Adult Care Centers and Meal Sites the elderly must have low incomes and must be 60 years of age or older. This sensitive population comprises over 80% of DHS's ridership.

DHS will provide selected vehicles within its Elderly Services Program for installation of retrofit technologies and implement necessary fueling directives as deemed necessary by this project.

*Miami-Dade Community Action Agency (CAA)*

The CAA provides comprehensive social services to seniors, youth and disabled persons through an array of direct and support services. The department administers Head Start programs, self-sufficiency initiatives, computer training, energy conservation initiatives, and educational/vocational services for young adults. Transportation services are provided to CAA client populations and include children, disabled and elderly citizens.

The Department was established in 1965 as a community-based organization designed to address and reduce the causes of poverty in Miami-Dade County. The mission of the Community Action Agency is to empower economically disadvantaged persons, families and communities to achieve self-sufficiency through advocacy, service delivery, resource mobilization, and education. The Department administers grants, which provide services to pregnant women, infants, toddlers, school aged children, teenagers, young adults, families, and the elderly. The Community Action Agency manages the following program divisions: Head Start/Early Head Start; Self-Help Institute; Elderly Programs Division; Greater Miami Service Corps; Citizen Participation Division; Energy Programs initiatives; Fiscal Services; and a Resource Management Division.

Head Start, the program targeted for participating in this grant project, provides comprehensive early childhood educational services for children ranging in age from infancy to five (birth to 5). The program serves approximately 6,500 children locally. Head Start/Early Head Start children and their families receive services in the areas of education, health, mental health, nutrition, and disabilities.

On a daily basis the Community Action Agency Transportation Unit provides transportation services to an average of 340 clients. This computes to an average of 6,800 clients monthly or approximately 81,600 clients each year. The Transportation Unit averages approximately 15 trips each day, or approximately 300 trips each month. This translates to approximately 3,600 trips each year.

CAA will provide selected vehicles within its Elderly Services Program for installation of retrofit technologies and implement necessary fueling directives as deemed necessary by this project.

#### Miami-Dade County Parks Department

For 75 years, the Parks Department has provided the Miami-Dade community with outstanding recreational and cultural activities. Miami-Dade Parks now manages more than 12,000 acres and has more than 280 parks, recreational facilities and greenways. It continues to provide outstanding recreational facilities, and programming to more than 25 million residents and visitors, making it one of the nations largest and busiest leisure service agencies. A three-time national Gold medal winner for excellence in park and recreation administration, it is the only municipal park system of its size to be awarded National Accreditation from the Commission on Accreditation of Park and Recreation Agencies.

Leisure Access, the targeted program within the Parks Department, enables the involvement of children and adults with disabilities in sports, recreation, and cultural activities. Recreational therapists coordinate programs such as wheelchair basketball, senior arthritis exercise, adapted aquatics, summer camps, art and dance programs for children and adults who are so severely disabled that they can not participate in general programming.

The department will provide selected vehicles within its "Leisure Access Services Program for Persons with Disabilities," for the installation of diesel retrofit technology and implement necessary fueling directives as deemed necessary by this project.

#### Florida Department of Environmental Protection (FDEP)

The Florida Department of Environmental Protection is the lead agency in state government for environmental management and stewardship. The department administers regulatory programs and issues permits for air, water, and waste management. It oversees the State's land and water conservation program, Florida Forever, and manages the nationally award-winning Florida Park Service. FDEP will provide staff technical assistance and software support to run Mobile 6 analysis to determine vehicle emissions levels prior to the start of the project and following the completion of the project.

#### Project Objectives

The objectives for the "Clean Diesel in South Florida" are as follows:

1. Expand the ULSD market into Miami-Dade County and South Florida;
2. Reduce ambient air emissions from heavy-duty diesel vehicles;
3. Reduce sensitive population exposure to diesel exhaust; and
4. Demonstrate the performance of ULSD and retrofit technologies in a hot, humid climate.

#### Implementation & Work Plan

The implementation of the project will entail a two-phased approach. Ultra low sulfur diesel (ULSD) fuel will be purchased for use in heavy-duty diesel vehicles operated by County departments. ULSD will be used at three (3) fueling locations owned and operated by Miami-Dade County. Funding will cover the incremental costs of purchasing 30,000 gallons of ULSD a month, for a period of 17 months.

Projected incremental costs are \$0.20 per gallon. The second phase of the project includes the purchase and installation of emissions reducing retrofits on approximately ten (10) buses serving sensitive populations.

Included Letters of Support for this grant initiative have been received from the following Miami-Dade County Departments: Parks and Recreation; Human Services, Community Action Agency, and General Services Administration. The State of Florida Department of Environmental Protection has also provided a letter of support.

Fueling stations/sites identified for the distribution of ULSD:

Fueling Site Name and Address	Ave. Monthly Throughput (gal)
Water and Sewer Distribution Site 1001 NW 11 Street, Miami, Fl	16,000
GSA – Shop 2 6100 SW 87 Avenue, Miami, Fl	9,000
Airport Fueling Station 4300 NW 20 Street, Miami, Fl	6,000
<b>Total Gallons</b>	<b>31,000</b>

The following milestone activities are identified in the Project's Work Plan below and are forecasted over the span of the project:

MILESTONE	2004		2005												2006				
	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M
Mobile 6 Analysis (Pre ULSD)																			
ULSD Purchase Contract Specifications																			
Preparation of Fuel Stations and Users																			
ULSD Purchase																			
Retrofit Purchase and Installation																			
Meetings w/drivers of retrofitted vehicles																			
Mobile 6 Analysis (Post ULSD)																			
Quarterly EPA Updates																			
Monthly ULSD usage reports																			

### Benefits to Sensitive Populations

As we know, in addition to its contribution to ambient particulate matter inventories, diesel exhaust is of specific concern because it has been judged to pose a lung cancer hazard for humans as well as a hazard from non-cancer respiratory effects such as pulmonary inflammation. Sensitive populations such as the elderly, children, and the chronically ill are more susceptible to the effects of diesel emissions.

According to the U.S. Census of 2000, the population of Miami-Dade County is 2,253,362. Miami-Dade County has an elderly population (65+) of 300,552 residents or thirteen percent (13%). Twenty-one percent (21%) or 464,377 of the population is 14 years of age or younger. Combined, the two sensitive population groups represent 34.3 percent of the residents of Miami-Dade County.

According to the Florida Agency of Health Care Administration, children ages 0-4 years, as serviced by the County's Head Start Program, comprise 54% of pediatric hospitalizations for asthma in Florida. Overall, almost half of the asthma cases recorded in Florida involve children.

In addition, almost one fifth of the Miami-Dade County's population has some form of cardiovascular disease (CVD), as reported by the County Health Department. This is equal to the national average of CVD. This project provides a unique opportunity to reduce the elderly population's exposure to diesel exhaust, an innovative application of EPA's Voluntary Diesel Retrofit Program Technology Demonstration Assistance.

Daily trips by the vehicles serving programs with sensitive population groups average seven hours per day on County roads. Other non-bus vehicles average up to twelve hours per day on County roads. Using a cleaner fuel such as ULSD will help reduce exposure of the entire community to diesel exhaust.

An additional sensitive population served by this proposal is the employees whose job duties result in elevated daily diesel exhaust exposures. This group includes the drivers of the estimated 500 heavy-duty diesel vehicles, as well as waste haulers riding on the back of waste trucks.

### Fleet Information

The types of heavy-duty diesel vehicles fueling at the three (3) County fuel stations and the potential populations impacted include:

<b>Vehicle</b>	<b>Population</b>
Community Buses	Children, elderly, and disabled riders and the general public, including sensitive populations
Fire Rescue Vehicles	Individuals in medical crisis, children, elderly, and disabled riders and the general public, including sensitive populations
Waste Hauling Truck	Drivers and employees riding on trucks and the general public, including sensitive populations
Flatbed Trucks	Drivers and the general public, including sensitive populations
Semi Tractor Trailer Trucks	Drivers and the general public, including sensitive populations
Construction Equipment	Drivers and the general public, including sensitive populations

Furthermore, the list of candidate vehicles for retrofit is included in Attachment A of this document. The list of 50 community buses reveals a range in model year from 1987 to 2003. These programs are traditionally under funded and therefore have a longer than usual replacement rate, resulting in a pool of poor performing vehicles.

#### Retrofit Technology Description

The use of ULSD enables technologies that have the potential to double the emission reductions compared to conventional retrofits used with current highway diesel. For example, we are aware of a high performance Diesel Oxidation Catalyst with a PM reduction of greater than 50%. This product has been tested by CARB and is awaiting verification. Because retrofit technology improves at such a rapid rate, it is prudent to make retrofit selection as close as possible to project implementation. As an awarded project, we will utilize the resource tools on EPA's Voluntary Retrofit Web Site, seek guidance from engine manufacturers, retrofit manufacturers, our technical GSA personnel, as well as FDEP technical personnel, to analyze the most effective retrofit for the selected vehicles. Furthermore, retrofit technologies will be procured through a competitive process in accordance with local and federal requirements.

#### Air Quality Benefit

The implementation of this project is consistent with Miami-Dade County's air quality plan, which calls for an overall reduction in vehicle emissions by the year 2006, to in part comply with required EPA guidelines and to improve the quality of life for Miami-Dade residents, especially sensitive population groups.

The quantity of emissions reductions from the use of ULSD alone will vary depending on the application, level of sulfur reduction, and other fuel characteristics of the replacement fuel (e.g., octane number, or aromatics). Some case studies suggest that the use of ULSD alone can reduce emissions of PM between 5 and 9 percent.

The buses have baseline emissions that depend on the model year and the emission regulations applicable for those buses when they were built. FDEP staff will use Mobile 6.2, which assumes that the emissions degrade by a factor depending on the age of the bus and type of application. Control factors will be applied to estimate the level of emission reductions after ULSD is used. The following emissions were calculated with Mobile 6.2 for the existing fleet of school buses using the national defaults for buses:

12.97 grams/mile for NO<sub>x</sub>  
2.66 grams/mile for CO  
0.78 grams/mile for hydrocarbons  
0.51 grams/mile for SO<sub>2</sub>  
0.04 grams/mile for sulfates  
0.85 grams/mile for particulates



Control factors will be applied to estimate the level of emission reductions after the retrofits.

An Air Toxics Risk Analysis recently conducted by an on-staff toxicologist reveals that air toxics are also of concern. Two years of air toxics monitoring data was analyzed in accordance with EPA guidelines. Results indicate that benzene, a known human carcinogen, is a chemical of concern in Miami-Dade County. In fact, residents including children and the elderly are exposed to measurable levels of at least 40 hazardous air pollutants. Aside from direct exposure of an air toxic such as benzene, it is prudent to reduce concomitant exposure to particulate emissions inasmuch as hazardous air pollutants tend to adhere to the respirable particulates.

Finally, according to the EPA, Environmental Justice is achieved when everyone, regardless of race, culture, or income, enjoys the same degree of protection from environmental and health hazards and equal access to the decision-making process to have a healthy environment in which to live, learn, and work. This proposal clearly addresses environmental justice for several groups residing in Miami-Dade County, including the elderly, disabled, minorities, residents of low income, as well as employees with higher than normal exposure to air toxics. The mission of the community agency partners of this proposal are in line with those of Environmental Justice, as they seek to encourage the fair treatment and meaningful involvement of all residents.

#### Financial Participation

DERM's financial participation along with its partners includes a local cost share of \$46,254. The local contribution will include in-kind services, staff support, data collection and management, vehicle retrofits, and ULSD fuel purchase support.

#### Information Sharing

DERM will use the expertise of FDEP to measure the air quality benefits and share these results with other interested parties. DERM will provide the environmental benefits reports and data from this project to local communities and governments, including municipalities, which typically don't have the expertise or resources to explore innovative emissions reduction and efficiency improvement projects. DERM will also provide quarterly updates and a detailed follow-up case-study report to include a summary of the project, reductions achieved, cost analysis, problems, successes, and lessons learned.

# ATTACHMENT A

## Bus Inventory Report 3 Departments

Department	Equip	Model Year	Make	Model	Equip	Inservice Date	Current Meter
COMMUNITY ACTION AGY	080117	1989	INT HR	1853	BUS	3/29/1989	189942 0
	080118	1989	INT HR	1853	BUS	3/29/1989	219411 0
	080139	1991	BLUEBD	NONE	BUS	1/7/1992	213199 0
	080140	1991	BLUEBD	NONE	BUS	1/7/1992	205886 0
	080141	1991	BLUEBD	NONE	BUS	1/7/1992	215935 0
	080154	1993	FORD	E-350	BUS	5/12/1993	95812 0
	080188	1997	BLUEBD	NONE	BUS	5/15/1997	138638 0
	080188	1997	BLUEBD	NONE	BUS	5/15/1997	138638 0
	080248	1998	BLUEBD	NONE	BUS	5/5/1998	69939 0
	080248	1998	BLUEBD	NONE	BUS	5/5/1998	69939 0
	080249	1998	BLUEBD	NONE	BUS	5/5/1998	70385 0
	080249	1998	BLUEBD	NONE	BUS	12/14/1998	70385 0
	080271	1999	BLUEBD	C1FE250	BUS	7/1/2000	11113 0
	080271	1999	BLUEBD	C1FE250	BUS	7/1/2000	11113 0
	080331	2001	BLUEBD	NONE	BUS	3/22/2001	59354 0
	080332	2001	BLUEBD	NONE	BUS	4/2/2001	55888 0
	080339	2001	BLUEBD	C1FE250	BUS	9/18/2001	35402 0
	080424	2003	BLUEBD	NONE	BUS	5/20/2002	32116 0
HUMAN SERVICES	080106	1987	BLUEBD	AAFC390	BUS	11/12/1987	65760 0
	080135	1989	WAYNE	E-350	BUS	3/1/1990	123208 0
	080136	1990	FORD	E-350	BUS	1/4/1991	77265 0
	080146	1992	WAYNE	E-350	BUS	6/3/1992	152526 0
	080147	1992	WAYNE	E-350	BUS	6/3/1992	141277 0
	080151	1992	WAYNE	E-350	BUS	6/3/1992	163775 0
	080153	1993	FORD	E-350	BUS	5/5/1993	153037 0
	080172	1993	FORD	NONE	BUS	3/1/1994	122595 0
HUMAN SERVICES	080173	1993	FORD	E-350	BUS	3/1/1994	122523 0
	080174	1993	FORD	E-350	BUS	3/1/1994	138872 0
	080175	1993	FORD	NONE	BUS	3/1/1994	124967 0
	080182	1994	BLUEBD	TC2000	BUS	4/10/1995	84918 0
	080183	1994	BLUEBD	TC2000	BUS	4/10/1995	105405 0
	080184	1994	BLUEBD	TC2000	BUS	4/10/1995	94140 0
	080185	1994	BLUEBD	TC2000	BUS	4/10/1995	117869 0
	080186	1994	BLUEBD	TC2000	BUS	4/10/1995	108686 0
	080235	1997	BLUEBD	TC4800S	BUS	12/1/1997	104335 0
	080236	1997	BLUEBD	TC4800S	BUS	12/1/1997	94303 0
	080237	1997	BLUEBD	TC4800S	BUS	12/1/1997	118490 0
	080238	1997	BLUEBD	TC4800S	BUS	12/1/1997	55487 0
	080272	2000	BLUEBD	TRNSHTL	BUS	1/18/2000	47639 0
	080273	2000	BLUEBD	TRNSHTL	BUS	1/18/2000	53472 0
	080274	2000	BLUEBD	TRNSHTL	BUS	1/18/2000	58030 0
	080275	2000	BLUEBD	TRNSHTL	BUS	1/24/2000	87200 0
	080276	2000	BLUEBD	TRNSHTL	BUS	1/24/2000	58452 0
	080335	2002	BLUEBD	TRNSHTL	BUS	7/2/2001	54335 0
	080336	2002	BLUEBD	TRNSHTL	BUS	7/7/2001	43312 0
	080337	2002	BLUEBD	TRNSHTL	BUS	8/15/2001	30035 0
PARKS AND REC (PFM)	080112	1987	FORD	E-350	BUS	12/23/1987	48099 0
	080152	1992	BLUEBD	TC2000	BUS	6/26/1992	63885 0
	080333	2000	BLUEBD	NONE	BUS	6/22/2001	15200 0
	080334	2000	BLUEBD	NONE	BUS	7/2/2001	143777

MILESTONE	ITEM	GRANT (\$)	MATCHING (\$)			
			Base Salary	Fringe (24.9%)	Indirect (9.49%)	A + S (49.7%)
Mobile 6 Pre-ULSD analysis	Contractual and Staff Salaries					
	FDEP Professional Engineer (\$20/hr * 2 hrs)		40			
ULSD Purchasing	Contract – GSA and Procurement					
	GSA - Data Technician 2 (2 hrs/week * 83 weeks * \$14.28/hr)		2,370	590	225	1,178
	GSA – Facility Supervisor (2 hrs/week * 83 weeks * \$29.43/hr)		4,885	1,216	464	2,428
	Procurement - Senior Procurement Agent (0.5 hrs/week * 83 weeks * \$23.54/hr)		977	243	93	486
	ULSD Purchases (approximately 30,000 gal/month * \$0.20/incremental cost/gal * 17 months)	102,000				
Retrofit technologies	Procurement – Senior Procurement Agent (0.5 hrs/week * 83 weeks * \$23.54/hr)		977	243	93	486
	Retrofit technologies cost (approximately 10 units)	45,000				
	Installation by Heavy equipment technician (approximately 2 hr/unit)	3,000				
Mobile 6 Pre-ULSD analysis	FDEP Professional Engineer (\$20/hr * 2 hrs)		40			
	DERM – Environmental Project Supervisor (4 hrs/week * 83 weeks * \$25.06/hr)		8,320	2,072	790	4,135
	DERM - Engineer 2 (4 hrs/week * 83 weeks * \$22.75/hr)		7,553	1,881	717	3,754
	<b>SUB TOTAL</b>	<b>150,000</b>	<b>25,162</b>	<b>6,245</b>	<b>2,382</b>	<b>12,467</b>
	<b>TOTAL</b>	<b>150,000</b>	<b>46,256</b>			

## BUDGET INFORMATION - Non-Construction Programs

## SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. 66.034		\$	\$	\$ 150,000	\$ 46,255	\$ 196,255
2.						0.00
3.						0.00
4.						0.00
5. Totals		\$	\$ 0.00	\$ 150,000	\$ 46,255	\$ 196,255

## SECTION B - BUDGET CATEGORIES

Object Class Categories	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1)	(2)	(3)	(4)	
a. Personnel	37,629				37,629
b. Fringe Benefits	6,246				6,246
c. Travel					
d. Equipment	45,000				45,000
e. Supplies					
f. Contractual	102,000				102,000
g. Construction					
h. Other	3,000				3,000
i. Total Direct Charges (sum of 6a-6h)	193,875	0.00	0.00	0.00	193,875
j. Indirect Charges	2,380				2,380
k. TOTALS (sum of 6i and 6j)	196,255	\$	0.00	\$ 0.00	196,255

7. Program Income	\$	\$	\$	\$	\$ 0.00
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SECTION C - NON-FEDERAL RESOURCES						
(a) Grant Program	(b) Applicant	(c) State	(d) Other Sources	(e) TOTALS		
8. 66.034	46,175	80				46,255
9.				\$		0.00
10.				\$		0.00
11.				\$		0.00
12. Total (SUM OF LINES 8-11)	46,175	80				46,255

SECTION D - FORECASTED CASH NEEDS					
(a) Grant Program	Total for 1 <sup>st</sup> Year	1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter
	13. Federal	\$ 0.00	\$	\$	\$
14. Non-Federal	0.00				
15. TOTAL (sum of lines 13 and 14)	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT					
(a) Grant Program	FUTURE FUNDING PERIODS (years)				
	(b) First	(c) Second	(d) Third	(e) Fourth	
16.	\$	\$	\$	\$	
17.					
18.					
19.					
20. TOTAL (sum of lines 16-19)	\$	0.00	\$ 0.00	\$ 0.00	0.00

SECTION F - OTHER BUDGET INFORMATION	
21. Direct Charges:	22. Indirect Charges:
23. Remarks:	

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# OBJECT CLASS CATEGORIES WORKSHEET

(NOTE: Please indicate any pre-award costs with a star (\*).)

## a. PERSONNEL

POSITION	NUMBER	SALARY	WORK YEARS	AMOUNT (Including A&S Costs)
FDEP Professional Engineer	1		0.01	80
GSA Data Technician 2	1		0.05	3,549
GSA Facility Supervisor	1		0.05	7,313
Senior Procurement Agent	1		0.02	2,925
DERM Environmental Project Supervisor	1		0.10	12,455
DERM Engineer 2	1		0.10	11,307
			0.33	37,629

## b. FRINGE BENEFITS

BASE	25,083 (does not include A&S or time of the FDEP Engineer)
RATE	x 0.249
<b>b. FRINGE BENEFITS TOTAL</b>	<b>6,246</b>

## c. TRAVEL

Explain:
<b>c. TRAVEL TOTAL</b>

22

## OBJECT CLASS CATEGORIES WORKSHEET

**d. EQUIPMENT:** Tangible, non-expendable, personal property having a useful life of more than one year and an acquisition cost of \$5,000 or more per unit. Applicant's definition of equipment may be used provided the definition at least includes all items previously defined above.

ITEM	NUMBER	COST PER UNIT	TOTAL
Diesel Retrofit Technologies	TBD	TBD	\$45,000
<b>d. EQUIPMENT TOTAL:</b>			\$45,000

### e. SUPPLIES

List supplies by groups, as appropriate:	
<b>e. SUPPLIES</b>	

## OBJECT CLASS CATEGORIES WORKSHEET

### f. CONTRACTUAL

List each planned contract or type of service to be procured. Agreements/contracts with other governmental agencies (state, local or Federal) should be listed under category h. OTHER.	
Ultra Low Sulfur Diesel Purchase	\$102,000
<b>f. CONTRACTUAL TOTAL</b>	<b>\$102,000</b>

### g. CONSTRUCTION (N/A)

### h. OTHER

Other: Explain by major categories.	
Installation of Retrofit Technologies	\$3,000
	\$3,000

<b>i. TOTAL DIRECT COSTS:</b>	
	193,875
<b>j. INDIRECT COSTS:</b> (RATE: 9.49 %)	2,380
<b>k. TOTAL PROPOSED COSTS:</b>	196,255
<b>FEDERAL FUNDS REQUESTED:</b> _____76.4_%	150,000
<b>RECIPIENT SHARE OF TOTAL PROPOSED COSTS:</b> _____23.6_%	46,255



## ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503

**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

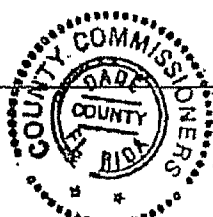
As the duly authorized representative of the applicant, I certify that the applicant:

<ol style="list-style-type: none"> <li>1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application</li> <li>2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives</li> <li>3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain</li> <li>4. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain</li> <li>5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. 4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F)</li> <li>6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. 1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), which prohibits discrimination on the</li> </ol>	<ol style="list-style-type: none"> <li>basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. 6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) 523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. 290 dd-3 and 290 ee-3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VII of the Civil Rights Act of 1968 (42 U.S.C. 3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application</li> <li>7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases</li> <li>8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. 1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds</li> </ol>
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<p>9 Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. 276a to 276a-7), the Copeland Act (40 U.S.C. 276c and 18 U.S.C. 874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), regarding labor standards for federally-assisted construction subagreement.</p> <p>10 Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.</p> <p>11 Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in flood plains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. 1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. 7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).</p>	<p>12 Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. 1271 et seq.) Related to protecting components or potential components of the national wild and scenic rivers system.</p> <p>13 Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. 470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. 469a-1 et seq.).</p> <p>14 Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.</p> <p>15 Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. 2131 et seq.) Pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.</p> <p>16 Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. 4801 et seq.) Which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.</p> <p>17 Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, AAudits of States, Local Governments, and Non-Profit Organizations @</p> <p>18 Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.</p>
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SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	TITLE County Manager
APPLICANT ORGANIZATION Miami-Dade County	DATE SUBMITTED 7/1/04



*Eligible*

Standard Form 424B (Rev. 7-97) Back

## CERTIFICATION REGARDING LOBBYING

### CERTIFICATION FOR CONTRACTS, GRANTS, LOANS, AND COOPERATIVE AGREEMENTS

The undersigned certifies, to the best of his or her knowledge and belief, that:

(1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

(2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, A Disclosure Form to Report Lobbying, in accordance with its instructions.

(3) The undersigned shall require that the language of this certification be included in the award documents for all sub-awards at all tiers (including sub-contracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub-recipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by section 1352, title 31 U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

George M. Burgess, County Manager

Typed Name & Title of Authorized Representative

Signature of Authorized Representative

7-1-04

Date

*George M. Burgess*

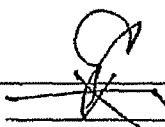


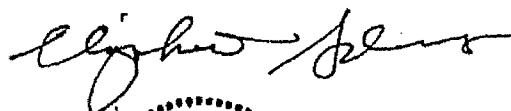
# DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352

Approved by OMB  
0348-0046

(See reverse for public burden disclosure.)

<b>1. Type of Federal Action:</b> <input checked="" type="checkbox"/> a contract <input type="checkbox"/> b grant <input type="checkbox"/> c cooperative agreement <input type="checkbox"/> d loan <input type="checkbox"/> e loan guarantee <input type="checkbox"/> f loan insurance		<b>2. Status of Federal Action:</b> <input checked="" type="checkbox"/> a bid/offer/application <input type="checkbox"/> b initial award <input type="checkbox"/> c post-award		<b>3. Report Type:</b> <input checked="" type="checkbox"/> a. initial filing <input type="checkbox"/> b. material change <b>For Material Change Only:</b> year _____ quarter _____ date of last report _____	
<b>4. Name and Address of Reporting Entity:</b> <input checked="" type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: Miami-Dade County Department of Environmental Resources Management 33 SW 2nd Avenue, Suite 900 Miami, Florida 33130 Congressional District, if known:			<b>5. If Reporting Entity in No. 4 is a Subawardee, Enter Name and Address of Prime:</b> N/A Congressional District, if known:		
<b>6. Federal Department/Agency:</b> United States Environmental Protection Agency (EPA) Office of Transportation and Air Quality			<b>7. Federal Program Name/Description:</b> Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreements To Benefit Sensitive Populations CFDA Number, if applicable: 65-034		
<b>8. Federal Action Number, if known:</b> RFA No: OAR-CCD-04-08			<b>9. Award Amount, if known:</b> \$ 150,000		
<b>10. a. Name and Address of Lobbying Registrant</b> (if individual, last name, first name, MI): Moore, Lois Alcalden & Saye 2111 Wilson Boulevard, 8th Floor Arlington, VA 22201			<b>b. Individuals Performing Services (including address if different from No. 10a)</b> (last name, first name, MI): Same		
<b>11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the Government when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to the Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</b>			Signature:  Print Name: George M. Burgess Title: County Manager Telephone No: 305-375-3511 Date: 7/1/04		
<b>Federal Use Only:</b>				Authorized for Local Reproduction Standard Form LLL (Rev. 7-97)	





JS



Washington, DC 20460  
Preaward Compliance Review Report for  
All Applicants Requesting Federal Financial Assistance

FORM Approved  
OMB No. 2090-0014  
Expires: 4-30-99

Note: Read Instructions before completing form.

I A Applicant (Name, City, State)  Miami-Dade County Miami, Florida	B Recipient (Name, City, State)  N/A	C EPA Project No  RFA No: OAR-CCD-04-08
--	--	---

II Brief description of proposed project, program or activity

This project is a continuing initiative by Miami-Dade County's Department of Environmental Resources Management (DERM), to promote the prevention and control of air pollution and the implementation of National Ambient Air Quality Standards. The "Clean Diesel in South Florida Project," will provide for the installation and use of ultra low sulfur diesel (ULSD) fuel at County fueling stations and for the purchase and installation of EPA verified emissions-reducing retrofits on several buses for the benefit of sensitive population groups (elderly, children and disabled)

III. Are any civil rights lawsuits or complaints pending against applicant and/or recipient? If yes, list those complaints and the disposition of each complaint	X Yes (Information is being compiled)  <input type="checkbox"/> No
IV. Have any civil rights compliance reviews of the applicant and/or recipient been conducted by any Federal agency during the two years prior to this application for activities which would receive EPA assistance? If yes, list those compliance reviews and status of each review	X Yes (Information is being compiled)  <input type="checkbox"/> No
V. Is any other Federal financial assistance being applied for or is any other Federal financial assistance being applied to any portion of this project program or activity? If yes, list the other Federal Agency(s), described the associated work and the dollar amount of assistance	<input type="checkbox"/> Yes  X No

VI. If entire community under the applicant's jurisdiction is not served under the existing facilities/services, or will not be served under the proposed plan, give reasons why

NA

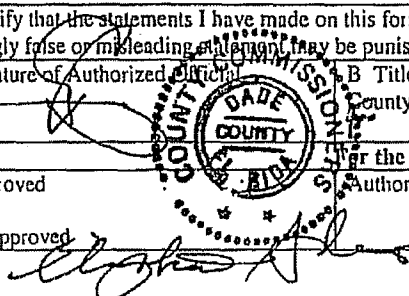
VII. Population Characteristics	Number of People
1. A. Population of Entire Service Area	2,253,362
B. Minority Population of Entire Service Area	1,787,590
2. A. Population Currently Being Served	2,253,362
B. Minority Population Currently Being Served	1,787,590
3. A. Population to be Served by Project, Program or Activity	100,000
B. Minority Population to be Served by Project, Program or Activity	75,000
4. A. Population to Remain Without Service	0
B. Minority Population to Remain With Service	0
VIII. Will all new facilities or alterations to existing facilities financed by these funds be designed and constructed to be readily accessible to and usable by handicapped person? If no, explain how a regulatory exception (40 CFR 7 70) applies	X Yes NA <input type="checkbox"/> No

IX. Give the schedule for future projects, programs or activities (or of future plans), by which services will be provided to all beneficiaries within applicant's jurisdiction. If there is no schedule, explain why

N/A

X. I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

A. Signature of Authorized Official 	B. Title of Authorized Official County Manager	C. Date 3/1/04
For the U.S. Environmental Protection Agency		
<input type="checkbox"/> Approved	Authorized EPA Official	Date
<input type="checkbox"/> Disapproved		





Miami-Dade County Park & Recreation Department -- Leisure Access Services -- 275 NW 2<sup>nd</sup> St.,  
Suite 414, Miami, FL 33128

(305) 755-7848 (v/tdd) (305) 755-7864 Fax lbinhack@miamidade.gov

June 24, 2004

Mr. Patrick Wong  
Chief  
Air Quality Management Division  
Miami-Dade County Environmental Resources Management (DERM)  
33 SW 2<sup>nd</sup> Avenue, Suite 900  
Miami, FL 33130

Dear Mr. Wong:

I am hereby confirming my commitment to act in partnership with DERM's Air Quality Management Division and the Office of Sustainable Environment and Education in the Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreement to Benefit Sensitive Populations. The grant proposal focuses on reducing exposure of sensitive populations to diesel exhaust, reducing the amount of ambient air pollution created by Miami-Dade County diesel fueled vehicles and establishing a corridor for Ultra Low Sulfur Diesel (ULSD) in South Florida.

The Miami-Dade County Park and Recreation Department would support this joint effort by providing selected vehicles within its Leisure Access Services/ Programs for Persons With Disabilities for installation of diesel retrofit technologies.

Leisure Access is the section of the County Park Department that involves children and adults with disabilities in sports, recreation and cultural activities. Recreation Therapists coordinate programs such as wheelchair basketball, senior arthritis exercise, adapted aquatics, summer camps, art and dance programs for children and adults who are so severely disabled that they cannot participate in general programming.

I look forward to working in collaboration with DERM in this proposed effort to bring to South Floridians of all ages the benefit of the early implementation of ULSD.

Sincerely,

Lucy Binhack, CTRS, MPA  
Leisure Access Services  
Miami Dade ParksA


**MIAMI-DADE COUNTY, FLORIDA  
COMMUNITY ACTION AGENCY**
**COMMUNITY ACTION BOARD**

June 28, 2004

 395 N.W. FIRST STREET  
 MIAMI, FLORIDA 33128-1698  
 (305) 347-4600  
 FAX: (305) 372-8745

**OFFICERS:**
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*Chairperson*
**Mr. Patrick Wong**  
**Chief**
**BARRY SINGLETON**  
*1<sup>st</sup> Vice Chair*
**Air Quality Management Division**
**DR. JULIO CARRERA**  
*2<sup>nd</sup> Vice Chair*
**Miami-Dade County Environmental Resources Management (DERM)**
**33 SW 2nd Avenue, Suite 900  
 Miami, Fl. 330130**
**BRENDA LOUARD**  
*3<sup>rd</sup> Vice Chair*
**Dear Mr. Wong:**
**JOYCE PRICE**  
*Secretary*
**MARCIA CYPEN**  
*Treasurer*
**RICHARD BROWN-MORILLA**  
*Parliamentarian*
**DR. ROBERT INGRAM**  
*Chaplain*
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 Willowstine Lawton  
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 Rev. Wilfred McKenzie  
 Erica McKinney  
 Miguel Milanes  
 Maria Morales  
 Cristobalina Pinitillo  
 L. Lucile Reddick  
 Curtis Robertson  
 Effie Russell  
 Larry Smith  
 Naomi Troutman  
 Ronda Vangates  
 Alvin West  
 Lillie Williams  
 Marjorie York  
 Dr. William Zubkoff

I am hereby confirming the Miami-Dade Community Action Agency's commitment to a partnership with DERM's Air Quality Management Division and the Office of Sustainable Environment and Education in the Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreement to Benefit Sensitive Populations. The grant proposal focuses on reducing exposure of sensitive populations to diesel exhaust, reducing the amount of ambient air pollution created by Miami-Dade County diesel fueled vehicles and establishing a corridor for Ultra Low Sulfur Diesel (ULSD) in South Florida.

The Community Action Agency will support this joint venture by providing buses utilized in our Transportation Unit to transport Head Start/Early Head Start program children, Senior Citizens and low-income residents to program activities and events, for the installation of diesel retrofit technologies earmarked through the grant. Our agency provides services to low income residents as a mechanism for assisting them with achieving self-sufficiency. Transportation is a vital activity offered through our Department, to support low-income parents, their children and Senior Citizens in accessing critically needed essential services.

I look forward to working in collaboration with DERM in this proposed effort to bring to South Floridians of all ages the benefits of the early implementation of the ULSD initiative.

**HONORARY MEMBERS:**

 Andre Williams, Esquire  
 Senator Daryl L. Jones  
 Congresswoman Carrie P. Meek  
 Senator Kendrick Meek  
 Rep. Dorothy Bendoric-Mindigall

Yours for the families,

**Ophelia E. Brown-Lawson**  
**Executive Director**
**EXECUTIVE DIRECTOR:**

Ophelia E. Brown-Lawson

**PROGRAMS**

CITIZEN PARTICIPATION FAMILY DEVELOPMENT FOSTER GRANDPARENTS HEAD START MEALS FOR THE ELDERLY SENIOR OCCUPANCY ENERGY PROGRAMS MEALS ON WHEELS TEENAGE PARENT ASSISTANT COMPUTER LITERACY EARLY INTERVENTION ASSISTANCE SENIOR EMPLOYMENT



June 25, 2004

Mr. Patrick Wong  
Chief  
Air Quality Management Division  
Miami-Dade County Environmental Resources Management (DERM)  
33 SW 2<sup>nd</sup> Avenue, Suite # 900  
Miami, Florida 33130

Dear Mr. Wong:

I am hereby confirming my commitment to act in partnership with DERM's Air Quality Management Division and the Office of Sustainable Environment and Education in the Voluntary Diesel retrofit Technology Demonstration Assistance Agreement to Benefit Sensitive Populations. The grant proposal focuses on reducing exposure of sensitive populations to diesel exhaust, reducing the amount of ambient air pollution created by Miami-Dade County diesel fueled vehicles and establishing a corridor for Ultra Low Sulfur Diesel (ULSD) in South Florida.

The Department of Human Services, Elderly, Veterans and Disability Services Division role would support this joint effort by providing selected vehicles within its Transportation Program for installation of diesel retrofit technologies.

Currently he provides transportation services to over 360 elderly on a daily basis serving all regions of Miami - Dade County.

Sincerely,

Paul J. Prevost, Director  
Elderly, Veterans, and Disability services Division

Miami-Dade County  
Department of Human Services  
Office of Human Development  
Elderly Services Division  
Home Care Program  
4500 BISCAYNE BOULEVARD  
SUITE 100  
MIAMI, FL 33137-3227  
(305) 576-2511  
FAX (305) 571-7726

AL:#1Letter  
derm



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PRINT TIME JUN. 30. 9:45AM

RECEIVED TIME JUN. 30. 9:44AM

MIAMI-DADE COUNTY, FLORIDA



STEPHEN P. CLARK CENTER

GENERAL SERVICES ADMINISTRATION  
FLEET MANAGEMENT DIVISION  
SUITE 245D  
111 N.W. 1ST STREET  
MIAMI, FLORIDA 33128-1979  
(305) 375-5199

June 25, 2004

Mr. Patrick Wong, Chief  
Air Quality Management Division  
Miami-Dade County Environmental Resources Management (DERM)  
33 SW 2<sup>nd</sup> Avenue, Suite 900  
Miami, FL 33130

Dear Mr. Wong:

I am hereby confirming my commitment to act in partnership with DERM's Air Quality Management Division and the Office of Sustainable Environment and Education in the Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreement to benefit sensitive populations. The grant proposal focuses on reducing exposure of sensitive populations to diesel exhaust, reducing the amount of ambient air pollution created by Miami-Dade County diesel fueled vehicles, and establishing a corridor for Ultra Low Sulfur Diesel (ULSD) in South Florida.

The GSA Fleet Management Division would support this joint effort by providing technical expertise regarding retrofit technologies and installation, ordering ultra low sulfur diesel fuel, and providing fuel consumption and vehicle data for reporting purposes.

I look forward to working in collaboration with DERM in this proposed effort to bring to South Floridians of all ages the benefit of the early implementation of ULSD.

Sincerely,

A handwritten signature in cursive script, appearing to read "Olga Diaz".

Olga Diaz  
Acting Director

Copy: Bernard McGriff, GSA Director  
Mark Hamilton, GSA Fleet Management



Jeb Bush  
Governor

## Department of Environmental Protection

Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Colleen M. Castille  
Secretary

June 24, 2004

Mr. Patrick Wong, Chief  
Air Quality Management Division  
Miami-Dade County Environmental  
Resources Management (DERM)  
33 Southwest Second Avenue, Suite 900  
Miami, Florida 33130

Re: EPA Retrofit Grant

Dear Mr. Wong:

We are hereby confirming our commitment to act in partnership with DERM's Air Quality Management Division and the Office of Sustainable Environment and Education in the Voluntary Diesel Retrofit Program Technology Demonstration Assistance Agreement to Benefit Sensitive Populations. The grant proposal focuses on reducing exposure of sensitive populations to diesel exhaust, reducing the amount of ambient air pollution created by Miami-Dade County diesel fueled vehicles, and establishing a corridor for Ultra Low Sulfur Diesel (ULSD) in South Florida.

The Division of Air Resource Management's Bureau of Air Monitoring and Mobile Sources' role would support this joint effort by assisting with emissions reductions calculations, providing input on the fleet retrofit analysis, and sharing fuel and technology resources.

We look forward to working in collaboration with DERM in this proposed effort to bring to south Floridians of all ages, the benefit of the early implementation of ULSD.

Sincerely,

Joseph Kahn, Chief  
Bureau of Air Monitoring  
and Mobile Sources

JK/

*"More Protection, Less Process"*

*Printed on recycled paper*

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